

STANDARD FORM NO. 64

~~SECRET~~

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Communications Engineering Division

DATE: SP/EA 6-234
19 November 1956

FROM : Chief, ELINT Activities Branch, OC-SP

SUBJECT: SP/EA Contractual Requirements

DOC	1	REV DATE	5 MAY 1960	BY	018373
ORIG COMP	033	OPI	56	TYPE	02
ORIG CLASS	5	PAGES	4	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH	HR 70-2

1. The requirements for this Branch divide into two categories:

[Redacted Box]

50X1

2. The attachment depicts our present needs in both categories. It will be noted that only the subject headings and priorities have been indicated. It is requested that your cognizant contractual officer contact this Branch for the details of each individual item listed on the attachment. At this time the specifics of the items listed can be reduced to a written description that will satisfy the procedures you have established to implement tasks under this contract.

[Redacted Box]

50X1

Attachment
Priority Listing

Distribution
Orig & 1 w/att - Addressee

[Redacted Box]

50X1

CONCUR:

gn Chief, OC-SP

~~SECRET~~

~~SECRET~~

Attachment to SP/EA 6-234

~~CONFIDENTIAL~~CATEGORY A - ENVIRONMENTAL EVALUATIONQuantity
RequiredPRIORITY I

Ferrite Antennas

30

To determine the frequency useful response. To involve tests for suitability as a DC or RF antenna.

PRIORITY II

Antennas/Filters

50X1

To determine the range of useful response, VSWR, and patterns of antennas presently on hand.

NOTE: In both items above, normal environment can be used (i.e. free space).

CATEGORY B - HARDWAREPRIORITY I

- 1) Repackaging and re-configuration of Minifon wire transports. *Ed 30 ✓*
These transports to be supplied as government furnished equipment to the contractor. SP/EA has a model and electronic circuitry to serve as a guide to the contractor.

- 2) Systems Test Buzzers

50

This item is for the fabrication of small test buzzers to *Ed* be used as systems test devices *✓*
SP/EA has a model of a unit which can serve as a point of departure for the contractor. 50X1

- 3) Antennas - DC

40

This category is directed towards the fabrication of the following families of antennas. Specifically it is intended that these units operate with various crystal video receiving systems on hand and under development by this Branch. These antennas will be required thru the range of 100 mcs to 50 kmcs with specific attention directed to the early availability of *ms*

~~SECRET~~~~CONFIDENTIAL~~

SECRET

Page 2

Attachment to SP/EA 6-234

CATEGORY B - HARDWARE (con't.)

Quantity
Required

antennas for the S, X, K, and Q bands in that order.

- 1) Slots
- 2) Shallow dish (broad band discone feeds)
- 3) Horns
- 4) Miscellaneous (spirals, helixes, yagis)

PRIORITY II

- 1) Crystal Video Automatic Recording System

This item is for the fabrication of crystal video automatic start system that has been previously developed by the R&D Lab.

*15
25
improved*

50X1

- 2) Coaxial Switch - Electrically activated

- 3) Video Amplifiers

25

This item is for the fabrication of 25 subminiature video amplifiers, an engineering model of which is available in the EA Branch.

*in*PRIORITY III

- 1) Receiver HF - Crystal Controlled

10

The R&D Lab for [] developed a miniature crystal control HF receiver. It is intended at this time to obtain a minimum quantity for operations similar to the original intent.

out
50X1

- 2) VHF Converter - Miniature

10

This item is for the fabrication of miniature VHF converter to be used in conjunction with Item 1. The converter would be divided in the range of 50-100 mcs, 100-300 mcs, 300-500 mcs.

*ant.***SECRET**

~~SECRET~~

Page 3

Attachment to SP/EA 6-234

CONFIDENTIAL

CATEGORY B - HARDWARE (cont.)

50X1

3) Antennas - RF

This is a major item to which the estimate of participation will be to a great degree determined by the impact of the items previously mentioned in Categories A and B above.

50X1

CONFIDENTIAL

~~SECRET~~